What is claimed is:

- 1. A drill gripping device, comprising:
 - a pair of gripping jaws;
 - a single actuating device coupled to the pair of gripping jaws;
- a force amplifying linkage coupled between the single actuating device and the pair of gripping jaws; and
- a connecting portion, wherein the pair of jaws are connected to move together.
- 2. The drill gripping device of claim 1, wherein the force amplifying linkage includes at least one camming linkage.
- 3. The drill gripping device of claim 1, further including a pair of jaw carriers to hold the pair of gripping jaws, wherein the pair of gripping jaws are removable for replacement.
- 4. The drill gripping device of claim 1, wherein the single actuating device includes a single hydraulic cylinder.
- 5. A drill rod system, comprising:

two sets of drill gripping devices including a first drill gripping device and a second drill gripping device, wherein at least one drill gripping device includes:

- a pair of gripping jaws;
- a single actuating device coupled to the pair of gripping jaws;
- a force amplifying linkage coupled between the single actuating device and the pair of gripping jaws;
- a connecting portion, wherein the pair of jaws are connected to move together;
- a pivot joint that allows the first drill gripping device to rotate relative to the second drill gripping device; and

a device rotation actuator to control motion of the first drill gripping device relative to the second drill gripping device.

- 6. The drill rod system of claim 5, wherein the single actuating device includes a single hydraulic cylinder.
- 7. The drill rod system of claim 5, wherein the device rotation actuator includes a hydraulic cylinder.
- 8. The drill rod system of claim 5, wherein the two sets of drill gripping devices both include:
 - a pair of gripping jaws;
 - a single actuating device coupled to the pair of gripping jaws;
- a force amplifying linkage coupled between the single actuating device and the pair of gripping jaws; and
- a connecting portion, wherein the pair of jaws are connected to move together.
- 9. A drilling device, comprising:
 - a linear drive region with a linear range of motion;
 - a drilling drive block movable within the linear range of motion;
 - a drill stem rotation device located on the drilling drive block;
- a drill gripping device located at an end of the linear range of motion, including:
 - a pair of gripping jaws;
 - a single actuating device coupled to the pair of gripping jaws;
- a force amplifying linkage coupled between the single actuating device and the pair of gripping jaws; and
- a connecting portion, wherein the pair of jaws are connected to move together.

- 10. The drilling device of claim 9, further including a pair of jaw carriers to hold the pair of gripping jaws, wherein the pair of gripping jaws are removable for replacement.
- 11. The drilling device of claim 9, wherein the single actuating device includes a single hydraulic cylinder.
- 12. A drilling device, comprising:
 - a linear drive region with a linear range of motion;
 - a drilling drive block movable within the linear range of motion;
 - a drill stem rotation device located on the drilling drive block;

two sets of drill gripping devices located at an end of the linear range of motion, including a first drill gripping device and a second drill gripping device, wherein the drill gripping devices each include:

- a pair of gripping jaws;
- a single actuating device coupled to the pair of gripping jaws;
- a force amplifying linkage coupled between the single actuating device and the pair of gripping jaws;
- a connecting portion, wherein the pair of jaws are connected to move together;
- a pivot joint that allows the first drill gripping device to rotate relative to the second drill gripping device; and
- a device rotation actuator to control motion of the first drill gripping device relative to the second drill gripping device.
- 13. The drilling device of claim 12, further including a storage area to hold sections of drill stem and a handling device to move sections of drill stem between the storage area and the drilling drive block.
- 14. The drilling device of claim 12, further including a track system for positioning of the drilling device on a drilling site.

- 15. The drilling device of claim 12, wherein the end of the linear range of motion includes an end of the linear range of motion that is adjacent to a front end of drilling device.
- 16. A method, comprising:

actuating a first single actuator in a first drill gripping device to grip a first section of drill stem;

actuating a second single actuator in a second drill gripping device to grip a second section of drill stem; and

actuating a device rotation actuator and rotating the first drill gripping device with respect to the second drill gripping device to loosen a threaded connection between the first section of drill stem and the second section of drill stem.

- 17. The method of claim 16, wherein actuating the first single actuator includes actuating a first single actuator coupled to a pair of gripping jaws through a force amplifying linkage.
- 18. The method of claim 17, wherein actuating the first single actuator includes actuating a first single actuator coupled to a pair of gripping jaws that are connected to move together.
- 19. The method of claim 16, wherein actuating the first single actuator, actuating the second single actuator, and actuating the device rotation actuator includes actuating a first single hydraulic cylinder, actuating a second hydraulic cylinder, and actuating a hydraulic device rotation cylinder.